

WHAT IS CLAIMED IS:

1. A complex image processing apparatus capable of operating as a facsimile apparatus, comprising:

image reading means for reading image information of a document;

image communicating means for transmitting the image information read by the image reading means and receiving image information;

image forming means for recording the image information received by the image communicating means on a recording medium;

mode switching means for carrying out switching among facsimile mode and other modes,

the complex image processing apparatus being used in the facsimile mode, as a facsimile apparatus in which a memory reception function can be specified, and in the other modes, as other kinds of apparatuses;

a memory for facsimile available only in the facsimile mode;

a memory for other modes available in the other modes;
and

memory control means for performing control in the facsimile mode such that image information stored in the memory for facsimile is transferred to either or both of the memories for the other modes in the case where predetermined conditions are satisfied.

2. The complex image processing apparatus of claim 1, wherein the predetermined conditions are that the memory reception function is specified in the facsimile mode and a predetermined time has passed after beginning of memory reception.

3. The complex image processing apparatus of claim 1, wherein the predetermined conditions are that the memory reception function is specified in the facsimile mode and a remaining capacity of the memory for facsimile after beginning of memory reception, available in the memory reception function, comes to a predetermined capacity.

4. The complex image processing apparatus of claim 3, wherein the predetermined capacity is set to a capacity for use in storing a largest volume of image information among per-communication reception volumes of image information in a reception history of the facsimile mode.

5. The complex image processing apparatus of claim 1, wherein the memory control means performs control such that image information transferred to the memories for the other modes is rearranged according to predetermined criteria.

6. The complex image processing apparatus of claim 5, wherein the memory control means performs control such that the rearranged image information is sequentially transferred in the order of decreasing data sizes insofar as the rearranged image information can be stored in the memories for the other modes.

7. The complex image processing apparatus of claim 1, wherein the memory control means makes a data format of image information transferred to the memories for the other modes, identical to a data format of image information stored in the memory for facsimile.

8. The complex image processing apparatus of claim 1, wherein in the case where received image information is stored in the memory for facsimile and in either or both of the memories for the other modes, the memory control means performs control such that the image forming means records image information stored in the memories for the other modes, on a recording medium prior to recording the image information stored in the memory for facsimile on a recording medium.

9. The complex image processing apparatus of claim 1, wherein in the case where received image information is stored in the memory for facsimile and in either or both of the memories for the other modes, the memory control means performs control

such that the image forming means records image information stored in the memory for facsimile on a recording medium, prior to recording the image information stored in the memories for the other modes on a recording medium.

10. The complex image processing apparatus of claim 1, wherein in the case where received image information is stored in the memory for facsimile and in either or both of the memories for the other modes, the memory control means performs control such that the image forming means records the image information on a recording medium in the order of decreasing data sizes starting with a piece of image information having a largest data size.